

FIGURE 1A

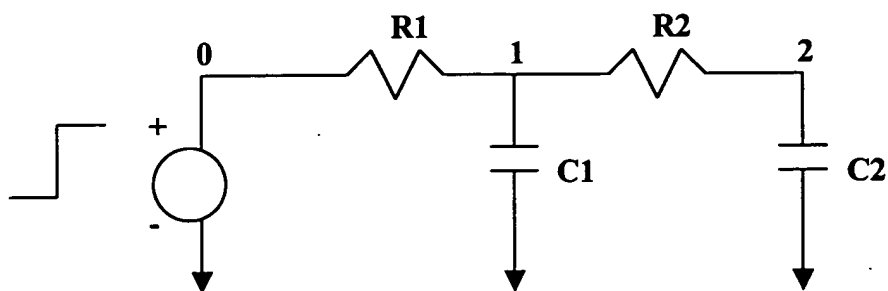


FIGURE 1B

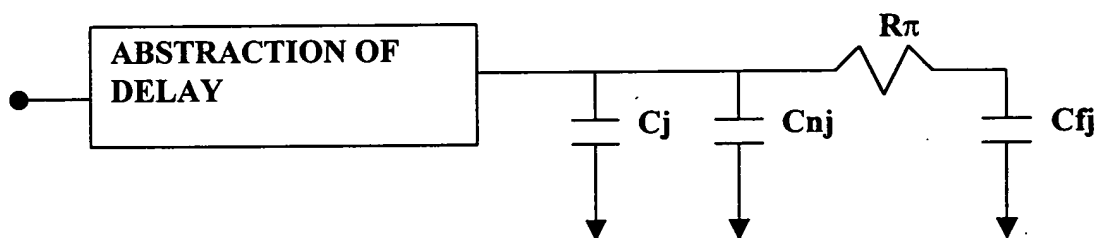
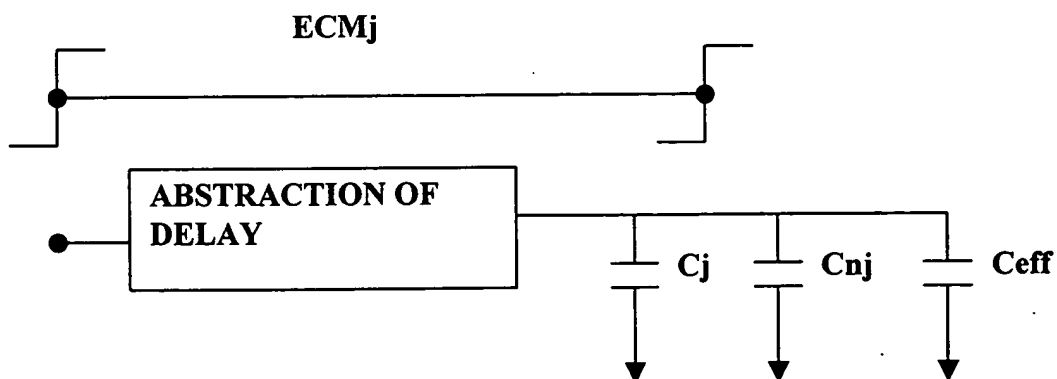


FIGURE 1C



200

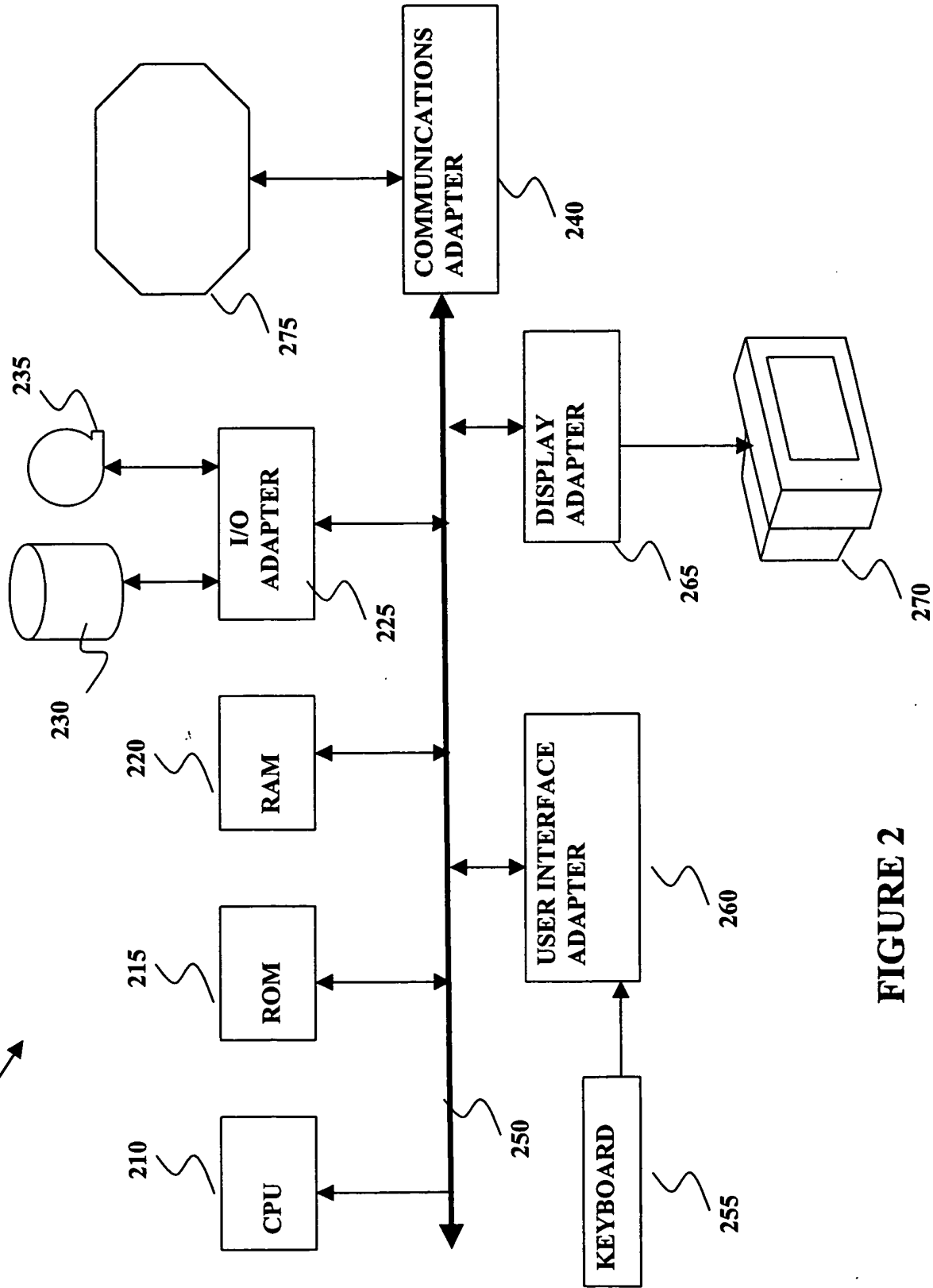


FIGURE 2

FIGURE 3

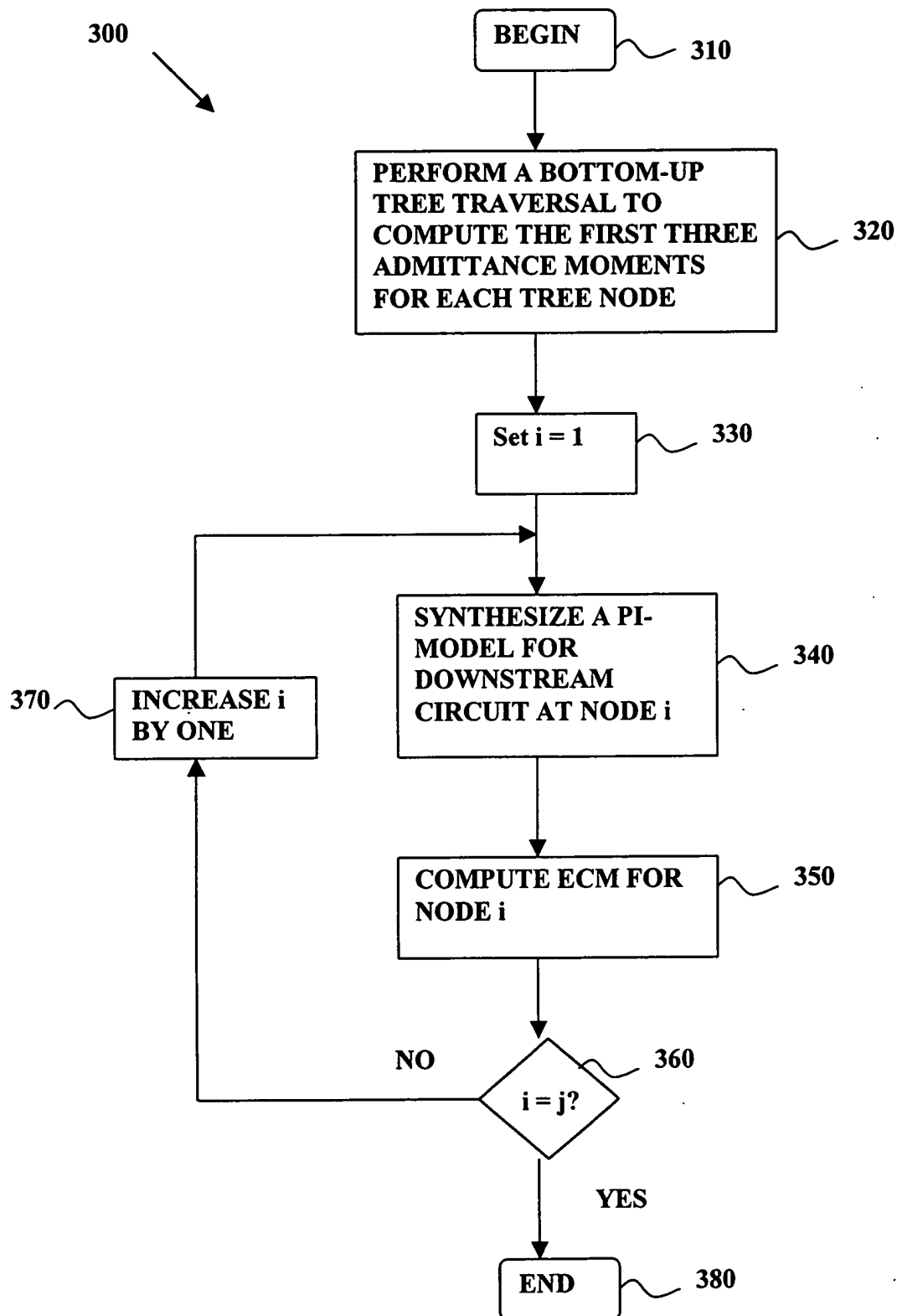
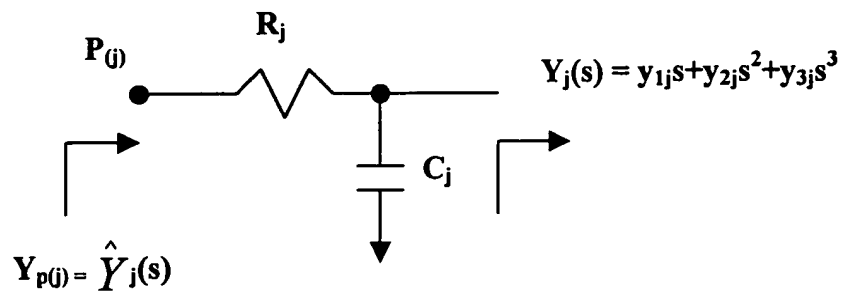


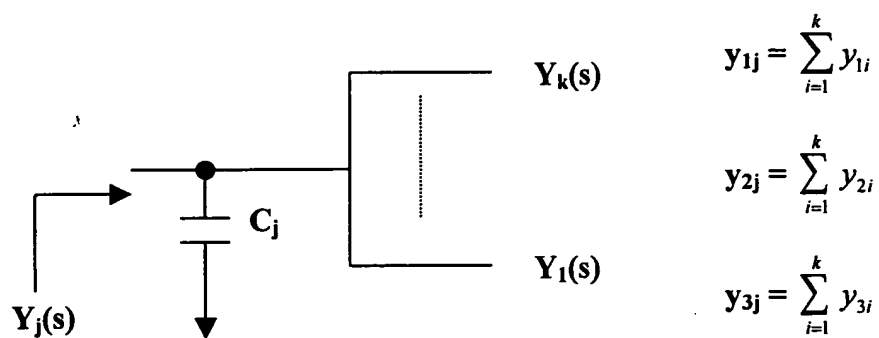
FIGURE 4A



$$\hat{y}_{1j} = y_{1j} + C_j ; \quad \hat{y}_{2j} = y_{2j} - R_j(y_{1j})^2$$

$$\hat{y}_{3j} = y_{2j} - 2R_j(y_{1j})(y_{2j}) + R_j^2(y_{1j})^3$$

FIGURE 4B



$$y_{1j} = \sum_{i=1}^k y_{1i}$$

$$y_{2j} = \sum_{i=1}^k y_{2i}$$

$$y_{3j} = \sum_{i=1}^k y_{3i}$$